STOKESLEY RURAL DISTRICT COUNCIL.

Medical Officer's Annual Report for the Year 1904.

STOKESLEY:
D. W. RICHARDSON, PRINTER AND STATIONER, HIGH STREET.

Stokesley Rural District Council.

Medical Officer's Annual Report for the Year 1904.

Mr. Chairman and Gentlemen,

I have the pleasure of presenting for your approval my Annual Report on the mortality and sanitary condition of your District for the year 1904.

There have been 277 births registered during the year, giving a birth-rate of 24.6 per 1,000 inhabitants; this is lower than the average for the last ten years, though an increase on the previous year, which was 20.87 per 1,000 inhabitants. The decrease occurs at Stokesley, Whorlton, and remainder of the District.

There were 148 boys born and 129 girls.

During the year there were 176 deaths registered in the District, to which has to be added one that died in a public institution outside the District, making the correct number 177, and giving a death-rate of 15.72 per 1,000 inhabitants. This is slightly less than last year, but above the average for the last ten years. The rate last year was 16.07 per 1,000 inhabitants.

Of the deaths registered in the District 85 were males and 91 females. They occurred in the following months:—25 in January, 14 in February, 18 in March, 15 in April, 13 in May, 11 in June, 11 in July, 17 in August, 10 in September, 17 in October, 12 in November, and 13 in December.

The deaths have thus been distributed over the District according to the corrected list:—

Stokesley	35,	giving a death-rate of	21.31	per 1,000	inhabitants.
Great Ayton	31,	"	"	18.51	"	"
Yarm	31,	"	"	19.29	"	"
Great Broughton ...	7,	"	"	14.55	"	"
Hutton	9,	"	"	10.57	"	"
Whorlton	5,	"	"	11.19	"	"
Remainder of District,	59,	"	"	12.9	"	"

Table II. shows that there is a great increase in the Stokesley parish, and a smaller one at Ayton and Yarm, with a decrease in the others for the last ten years.

The deaths in the District have occurred at the subjoined ages:—

	All Ages.	Under 1 year.	1 and under 5.	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Stokesley	35	4	2	1	...	9	19
Great Ayton	31	6	2	1	3	7	12
Yarm	31	6	1	3	...	13	8
Broughton	7	1	...	...	...	5	1
Hutton	9	2	...	1	...	3	3
Whorlton	5	...	...	..	...	2	3
Remainder of the District ...	59	7	3	1	3	16	29
Total ...	177	26	8	7	6	55	75
In 1903	181	30	17	15	6	46	67
In 1902	175	25	10	11	7	51	71
In 1901	164	24	13	5	6	46	70

On examining the above table I think that though the death-rate keeps high it is very satisfactory to notice that a large proportion of them, nearly 43 per cent., are over 65 years.

There are 26 deaths under a year old, giving a death-rate of 93.86 per 1,000 births: this, though lower than usual, is still very high, and is partially due to the ignorance of the mothers. Seven were due to convulsions, two to bronchitis, three to whooping cough, two to enteritis, four to debility, two to dentition, and the rest to various diseases.

There have been 12 deaths from Zymotic Diseases, giving a Zymotic death rate of 1.06 per 1.000 inhabitants. They consist of:—

1 from scarlet fever at Great Ayton.

4 from whooping cough: 3 at Great Ayton and 1 at Newby.

5 from Diphtheria: 1 at Stokesley, 2 at Yarm, 1 at Hutton, 1 at Ingleby Arncliffe.

2 from enteric: 1 at Yarm, 1 at Nunthorpe.

On examining Table IV. you will notice the large number of deaths from Cancer, 21. The other deaths are very much the same as in previous years, except that there are fewer deaths from pneumonia and more from bronchitis.

Zymotic Diseases.

During the year there have been 124 cases reported, against 40 in the previous one. They consist of:—

83 cases of scarlet fever, viz.:—47 at Great Ayton, 18 at Stokesley, 4 at Crathorne, 3 each at Little Ayton and Kildale, 2 each at Carlton and Picton, one each at Broughton, Yarm, Whorlton and Faceby.

31 cases of diphtheria, viz.:—21 at Yarm, 4 at Stokesley, 3 at Ingleby Cross, and 1 each at Hutton, Leven Bridge, and Castleleavington.

2 cases of enteric, viz.:—1 at Yarm and 1 at Crathorne.

8 cases of erysipelas, viz.:—2 each at Great Ayton and Hutton; 1 each at Stokesley, Yarm, Whorlton and Kirkby.

Scarlet fever, which was prevalent in the surrounding districts, broke out in Ayton and Stokesley during the month of April, and continued during the rest of the year. It was of a very mild type and there is no doubt in my own mind that some cases were never detected. Twenty cases were removed to the Fever Sanatorium, at Middlesbrough. It is very difficult to persuade the parents to allow their children to be removed, and I have felt that, in some cases where the isolation was not so perfect as

was desirable. If I insisted on the case being removed it would lead to them attempting to hide the cases in the future. In several cases when the parents sent for the Doctor their first words were:—"I want to know if my child has the fever? but I am not going to have it sent away."

Unfortunately, on the return of one or two cases from the Sanatorium, there has been a fresh outbreak in the same house or the neighbours. I could not find there had been any neglect in any precautions that could have been taken. The case at Broughton was only detected towards the end of the infectious stage: fortunately it was in an isolated part, and no one seems to have contracted the disease from it.

Diphtheria broke out in Yarm during the month of June and continued during July and August. Probably the first case was contracted in Stockton, and the disease spread rapidly owing to the unsatisfactory condition of the ashpits, drainage, the dampness and want of air space round several of the houses, and the tendency to overcrowding.

At Stokesley the question arose whether the outbreak was due to the drainage of the school. The school was closed and the drainage was overhauled.

I have to thank the board for making arrangements to supply the doctors with antitoxin, and also for the Clinical Research Society to make an examination in doubtful cases: this has been made use of by several of the doctors.

Two cases of enteric fever were reported. They both seem to have contracted the disease outside the District.

I have to thank the Inspector for looking after the people, following out directions, and afterwards disinfecting the rooms, clothes, &c.

Drainage.

The drains in the district are old-fashioned, they require for the most part to be relaid with sanitary pipes, cement joints, inspection chambers, more ventilation, and if possible, flushing arrangements.

At Great Ayton, where there is a drainage system, the sewer has been extended in the Station Road for new dwellings. There have not been so many complaints of offensive smells from the ventilation holes, and the flushing has been better.

At Yarm, there has been an extension of the head gutter southward. The drains here have no flushing, no ventilation, and very few sound joints.

At Stokesley, a dilapidated sewer from the County Schools and other property has been relaid with sanitary pipes. The drainage here is as unsatisfactory as in other parts, and I do not see how arrangements can be made for flushing until there is a water supply.

At Great Broughton, there has been an extension of the north entrance sewer, and also a new sewer in Kirkby Lane for new buildings.

At Hutton, the drainage has been improved by extending Crow Bank sewer, by repairs to North End sewer, and renewing culverts and branch sewers with sanitary pipes, and fixing trapped surface grates where needed.

At Seamer, the branch sewer at the West End has been relaid with sanitary pipes, also arrangements made which are hoped to remedy the nuisance from the farm in the occupation of Mr. R. Auton.

At Kirklevington, a Government inquiry has been made, and plans made for a new drainage scheme which it is hoped will be satisfactory.

Water.

The water supply has not been altered, is chiefly from pumps, and is unsatisfactory on account of its hardness. There have been no complaints on account of short supply.

The supply on Broughton Banks and some of the farms in Bilsdale is unsatisfactory on account of the want of protection.

Scavenging.

The scavenger at Stokesley has done his work better lately, and there have not been so many complaints.

At Yarm, there are so many who join at the privies that they require emptying oftener than they are.

In the other parts of the District the occupiers of the houses make their own arrangements for removing their refuse, and there has been no complaint.

Several notices of nuisances and the infringement of Bye Laws have been served, and in most cases attended to at once; only 1 case requiring a magistrates' order (for Mr. John Dale, Great Broughton).

The two common lodging houses in the District have been inspected and found clean and in good order. The lodging house in Yarm has changed hands and is now managed by Mr. Savage.

Milk purveyors and cow shed premises have been inspected, and as a rule kept in good order.

Slaughter houses have been inspected and found cleanly, and no meat found objectionable.

The bake houses have been visited (there are no underground ones) and found satisfactory. No action has been necessary under the Factory and Workshop Act, 1901.

Plans have been submitted and allowed by the Plans' Committee:—

At Yarm—Alteration of premises in High Street, for R. J. Chapman, Esq.
A new Rectory dwelling.
New dwelling in West Street for Mr. Wm. Doughty.
Gamekeeper's house, Worsall lane, for Mr. William Richardson.

At Stokesley—For a new dwelling-house in Stockton Road for Mr. Leader.
New outbuildings for Miss Hebdon.

At Great Ayton—For the alteration and enlargement of The Grange for Hy. Kitching, Esq.

At Hutton—Outbuildings for the County Schools.
Four cottages at North End for Mr. J. W. Garbutt.

At Great Broughton—New dwelling in Kirkby Lane for Mr. Pounder.

This, Gentlemen, concludes my report, which I hope will give satisfaction.

I have the honour to remain, Gentlemen,

Your obedient Servant,

WM. M. YEOMAN,

February 18th, 1905. M. O. H.

D. W. Richardson, Printer, Stokesley.

Table 1.

Vital Statistics of Whole District during 1904 and previous Years.

STOKESLEY RURAL SANITARY DISTRICT.

YEAR.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
				Under 1 Year of Age.		At all Ages.						
		Number.	Rate.*	Number.	Rate per 1000 Births registered.	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1894	11119	312	27.16	31	99.36	177	15.82	5	...	...	177	15.82
1895	11119	289	25.99	37	128.02	176	15.82	7	2	...	174	15.64
1896	11119	278	25.	35	122.3	173	15.55	12	1	1	173	15.55
1897	11119	309	27.78	35	113.27	186	16.72	6	...	...	186	16.72
1898	11119	287	25.81	30	104.53	181	16.27	4	...	1	182	16.36
1899	11119	274	26.54	41	149.63	170	15.28	3	...	1	171	15.38
1900	11119	261	23.47	29	114.94	183	16.45	6	...	1	184	16.54
1901	11257	268	23.8	24	89.55	161	14.3	5	...	3	164	14.56
1902	11257	294	26.11	25	85.03	174	15.45	1	...	1	175	15.56
1903	11257	235	20.87	30	127.65	178	15.9	13	2	5	181	16.07
Averages for years 1894-1903.	11160.4	280.7	25.15	31.7	112.93	175.9	15.76	6.2	.5	1.3	176.7	15.83
1904	11257	277	24.6	26	93.86	176	15.62	7	...	1	177	15.72

* Rates in Columns 4, 8, and 13, calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) ... ... 83,010 acres.
Total Population at all ages ... ... 11,257, at Census of 1901.
Number of Inhabited Houses ... ... 2,520, ,,
Average number of persons per house ... ... 4.11 ,,

Institutions within the District receiving sick and infirm persons from outside the District ... ... Workhouse.

Institutions outside the District receiving sick and infirm persons from the District:—Fever Sanatorium, Middlesbrough.

Other Institutions, the deaths in which have been distributed among the several localities in the District:—The Royal Hospital, Sheffield.

Is the Union Workhouse within the District? Yes.

Table 2.

Vital Statistics of separate Localities in 1904 and previous years

STOKESLEY RURAL SANITARY DISTRICT.

Names of Localities.	STOKESLEY.				AYTON.				YARM.				BROUGHTON.				HUTTON.				WHORLTON.				Remainder of the District.			
Year.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.	Population estimated to middle of each year. a.	Births registered. b.	Deaths at all ages c.	Deaths under 1 year d.
1894 ...	1513	47	31	7	1727	48	26	3	1608	43	30	4	504	13	6	1	821	35	18	6	434	9	7	...	4512	117	59	10
1895 ...	1513	40	22	2	1727	42	29	6	1608	46	25	8	504	4	9	2	821	27	19	4	434	8	2	...	4512	122	68	15
1896 ...	1513	43	22	3	1727	45	35	12	1608	43	19	2	504	8	8	...	821	17	9	1	434	6	3	..	4512	116	77	17
1897 ...	1513	47	36	3	1727	47	24	6	1608	52	29	7	504	12	9	...	821	22	14	4	434	8	7	...	4512	121	67	15
1898 ...	1513	46	26	3	1727	42	31	6	1608	51	31	10	504	5	4	...	821	22	12	1	434	7	8	...	4512	114	70	10
1899 ...	1513	49	25	7	1727	32	28	6	1608	54	29	7	504	3	10	1	821	32	18	5	434	4	9	1	4512	100	52	14
1900 ...	1513	37	28	5	1727	44	35	6	1608	46	43	7	504	9	6	...	821	20	10	2	434	10	2	...	4512	95	60	9
1901 ...	1642	43	28	4	1674	45	29	5	1607	50	30	5	481	8	9	2	851	21	11	1	429	7	7	...	4573	94	50	7
1902 ...	1642	40	28	2	1674	51	28	5	1607	55	32	9	481	9	13	1	851	27	15	3	429	7	6	...	4573	105	53	5
1903 ...	1642	35	29	6	1674	37	28	3	1607	38	32	10	481	11	11	2	851	17	15	3	429	4	6	...	4573	93	60	6
Averages of years 1894 to 1903	1551.7	42.7	27.5	4.2	1711.1	43.3	29.3	5.8	1607.7	47.8	30.0	6.9	497.1	8.2	8.5	.9	830.0	24.0	14.1	3.0	432.5	7.0	5.7	0.1	4530.3	107.7	61.6	10.8
1904 ...	1642	37	35	4	1674	46	31	6	1607	50	31	6	481	13	7	1	851	23	9	2	429	5	5	...	4573	103	59	7

Table 3

Cases of Infectious Disease notified during the Year 1904.

STOKESLEY RURAL SANITARY DISTRICT.

Notifiable Disease.	Cases notified in Whole District.							Total Cases notified in each Locality.							No. of Cases removed to Hospital from each Locality.						
	At all ages.	At Ages—Years.						Stokesley	Great Ayton	Yarm	Broughton	Hutton	Whorlton	Remainder of the District.	Stokesley	Great Ayton	Yarm	Broughton	Hutton	Whorlton	Remainder of the District.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upw'rds														
Small Pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..
Diphtheria ..	31	..	4	18	5	4	..	4	..	21	..	1	..	5	..	..	..	..	..	..	..
Membranous Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..
Erysipelas ..	8	1	..	..	1	4	2	1	2	1	..	2	1	1	..	..	..	..	..	..	..
Scarlet Fever ..	83	..	16	57	4	6	..	18	47	1	1	..	1	15	4	9	..	..	..	..	7
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ..	2	..	..	..	1	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	124	1	20	75	11	15	2	23	49	24	1	3	2	22	4	9	..	..	..	..	7

ISOLATION HOSPITAL .. .. MIDDLESBROUGH FEVER SANATORIUM.

Table 4.

Causes of, and Ages at, Death during year 1904.

Stokesley Rural Sanitary District.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities whether occurring in or beyond the District.							Total Deaths whether of Residents or Non-"Residents" in Public Institutions in the District
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Stokesley	Ayton	Yarm	Gt. Broughton	Hutton	Whorlton	Remainder of the District.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Scarlet Fever	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Whooping Cough	4	3	..	1	..	..	..	..	3	..	..	..	..	1	..
Diphtheria & Membranous croup	5	..	1	4	..	.	..	1	..	2	..	1	..	1	..
Enteric Fever	2	..	..	..	..	2	..	..	..	1	..	..	..	1	..
Epidemic Influenza .	1	..	..	..	..	..	1	1	..	..	..	..	.	..	..
Enteritis	2	2	..	..	..	..	..	..	2	..	..	..	..	.	..
Erysipelas	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..
Other septic Diseases ..	1	..	.	..	..	..	1	..	..	..	..	..	..	1	..
Phthisis (Pulmonary Tuberculosis)	11	..	..	..	3	8	..	..	3	2	..	..	1	5	..
Other tubercular diseases ..	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..
Cancer, malignant disease ..	21	.	..	..	..	13	8	8	..	4	2	2	.	5	2
Bronchitis	14	2	2	1	..	1	8	6	3	2	..	..	..	3	..
Pneumonia	7	.	2	..	..	3	2	2	1	.	..	..	..	4	..
Pleurisy	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Other diseases of Respiratory organs	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..
Alcoholism: Cirrhosis of liver ..	3	..	..	..	..	2	1	1	..	1	..	..	..	1	..
Premature birth	2	2	..	..	.	..	..	..	..	..	..	..	..	2	..
Diseases and accidents of parturition	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..
Heart diseases	19	..	..	..	..	4	15	2	3	7	..	..	1	6	..
Accidents	6	..	..	1	1	3	1	..	1	1	..	..	..	4	..
Suicides	2	..	..	..	..	2	..	..	..	..	1	..	1	..	..
All other causes	71	17	2	..	1	14	37	14	12	11	4	5	2	23	5
All causes	177	26	8	7	6	55	75	35	31	31	7	9	5	59	7